



Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	per of sons Injured	Estimated Damage Property Cro	July 2001 Character of Storm
ILLINOIS, South								
Franklin County 1 N West Frankfort to West Frankfort	37. In		two-foot dia	meter tree kn	ocked dowr	power lin	es. A large tree l	Thunderstorm Wind (G50) fort, a few trees were down across Highway imb fell on a car and damaged a roof. A tree ea.
Franklin County 4 E West Frankfort	03	1710CST			0	0		Hail (1.75)
Williamson County 3 N Johnston City	03	1740CST			0	0		Hail (0.75)
Jackson County Carbondale	03	1740CST			0	0		Hail (1.00)
Jackson County 3 E Carbondale	03 Five tr	1815CST ees were down or	n Old Route 1	3.	0	0		Thunderstorm Wind (G50)
Williamson County 10 W Marion	03 Four tr	1835CST rees were down o	ver western p	arts of the co	0 unty.	0		Thunderstorm Wind (G50)
Jackson County 2 NW Carbondale	03	1835CST			0	0		Hail (0.75)
Jackson County Carbondale	03 Slow-r	1905CST 2145CST noving thunderst	orms caused	extensive str	0 eet flooding	0 g in Carbo	ondale, with one	Flash Flood to two feet of water at some intersections.
ILZ075>078-080>094	Some	streets were close	d. Manhole c	overs were re	eportedly "b	olown" 12	to 18 inches abov	ve the road surface
ILZ0/3>0/8-000>094	Union 07 09	- Johnson - Pope 1500CST 1400CST	e - Hardin - A	Alexander - l	Pulaski - M 0	lassac 0		son - Williamson - Saline - Gallatin - Excessive Heat
	-	ne high temperatu grees. Nighttime				ed with dev	w points in the m	iid 70's, resulted in heat indices from 105 to
Perry County Countywide	18 Numer off.	1300CST rous trees were b	lown down, s	ome of which	0 h landed on	0 power lin	10K nes. In DuQuoin,	Thunderstorm Wind (G50) a house roof's aluminum border was blown
Perry County Du Quoin	18 Thund Oak St		ed 1.2 inches	of rain in abo	0 out an hour	0, causing	street flooding. U	Urban/Sml Stream Fld Up to a foot of water was standing on South
Franklin County Rend Lake South to Benton	line da were b	mage was report	ed in many se enton, large l	ections of the	e county. Tl	ne first rep	ort of damage ir	Thunderstorm Wind (G50) ast across Franklin County. Tree and power the county was at Rend Lake, where trees w was blown out of a building. A couple of





July 2001 Time Local/ Path Length Path Number of Estimated Width Persons Damage **ILLINOIS, South** Franklin County 0 0 10K Benton to 18 1345CST Thunderstorm Wind (G50) West Frankfort Thunderstorms producing damaging winds moved slowly south across Franklin County. Numerous trees and large limbs were blown down in West Frankfort. **Jackson County** Carbondale 18 1352CST Thunderstorm Wind (G50) Two trees and one power line were down. Williamson County Johnston City 18 0 0 Thunderstorm Wind (G52) Numerous trees were blown down, some of which were up to 2 feet in diameter. Winds were estimated up to 65 MPH. The worst damage occurred east of Interstate 57. In Marion, police reported trees down in several locations. Several trees and power lines were blown down in Herrin. **Johnson County** New Burnside to 3 E Goreville Thunderstorm Wind (G50) 1420CST Trees were down, mainly in northeast Johnson County around New Burnside. **Saline County** Countywide 18 10K Thunderstorm Wind (G52) Thunderstorm winds blew down numerous trees across Saline County. The brunt of the damage extended from 4 or 5 miles west of Harrisburg through Stonefort to the Pope County border. This included Carrier Mills and Ledford. Some of the trees landed on houses, but no exact count was available. **Saline County** Harrisburg Urban/Sml Stream Fld 1515CST Thunderstorms dropped 1.5 inches of rain in about an hour at the Harrisburg water plant. Some street flooding occurred, with one to two feet of water at one intersection. **Hardin County** Rosiclare 18 1445CST 0 Thunderstorm Wind (G50) Thunderstorm winds downed numerous trees across Hardin County, including a few in Rosiclare. **Pope County** 18 0 0 Countywide 1445CST Thunderstorm Wind (G50) Numerous trees were blown down across the county. One man was killed when his truck struck a fallen tree on Route 146, then overturned into a roadside creek. **Alexander County** Cairo 18 1545CST 0 Thunderstorm Wind (G50) Large tree limbs were blown down. **Alexander County** Olive Branch Flash Flood 1140CST Slow-moving thunderstorms persisted for several hours in a narrow band along the Mississippi River. On the Illinois side of the

Slow-moving thunderstorms persisted for several hours in a narrow band along the Mississippi River. On the Illinois side of the river, the heaviest rain was north of Cairo in Alexander County. Radar estimated rainfall amounts from 4 to 6 inches in this band. The automated observing system at the Cape Girardeau, Missouri airport measured about 5 inches of rain in six hours. Sections of Route 3 in Olive Branch were under water. Several smaller roads were closed





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Person Killed	r of ns Injured	Estimated Damage Property Crops	July 2001 Character of Storm
ILLINOIS, South								_
Johnson County 2 SW Simpson	23 Three t	1830CST rees were blown do	own across c	county roads.	0	0		Thunderstorm Wind (G50)
White County Crossville		0500CST 0700CST erstorms dumped v			0 ounty, with	0 the high	est amounts near C	Urban/Sml Stream Fld rossville. Authorities closed a section of
Pulaski County Olmsted	than 4 than 20 the cen	ed 3.5 inches of ra hours near Olmstee county roads were	ain during the dand just so e closed. Fou ounty, between	ne early morn outh of Ameri or culverts we en New Gran	ing hours. R ca Road. Ar re washed a	Rushing f n Olmsteo way by e	loodwater blocked led convenience store rosion and fast-move	Flash Flood with the county highway department illinois Route 37 in two places for more was flooded by 5 inches of water. More ing debris. The hardest hit areas were in iged the roof of the Olmsted library and
INDIANA, Southwest								
Pike County Petersburg	22 Four tro	1240CST ees were down.			0	0		Thunderstorm Wind (G50)
Pike County Petersburg	22 Slow-m	1245CST 1345CST noving thunderstorn	ms produced	l torrential do	0 wnpours, es	0 timated o	over 2 inches per ho	Urban/Sml Stream Fld ur. Road flooding was reported
Gibson County Princeton	23 Trees a	1517CST nd power lines wer	re blown dov	wn on the eas	0 t and northe	0 ast side o	f Princeton.	Thunderstorm Wind (G50)
Vanderburgh County Evansville	25 Slow-m	1630CST 1830CST noving thunderstorn	ms caused so	ome street flo	0 oding in and	0 I around I	Evansville, with wa	Urban/Sml Stream Fld ter depths commonly 3 to 5 inches.
Pike County Winslow	25 Slow-n	1720CST 1830CST noving thunderstorn	ms caused so	ome county ro	0 oads to flood	0 l. A spott	er reported 1.5 to 2	Urban/Sml Stream Fld inches per hour.
Gibson County 1.5 SW Ft Branch	26	1015CST 1045CST			0	0		Funnel Cloud





Time Path Path Number of Estimated July 2001

Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

INDIANA, Southwest



The funnel cloud was observed over open farmland near Fort Branch.

A funnel cloud was photographed just southwest of Fort Branch over a 30-minute period. The funnel was not associated with strong or severe thunderstorms.

Vanderburgh County Evansville

8 1730CST 1840CST

Funnel Cloud

Over a period of about an hour and 45 minutes, numerous funnel clouds were observed over the Evansville area. One of the funnel clouds was photographed near the Vanderburgh County fairgrounds and 4H Center. No touchdowns were known to have occurred. Meteorological conditions were highly unfavorable for tornadoes, and no strong or severe thunderstorms were present

0

Gibson County Princeton to Ft Branch

29 0230CST 0430CST

0 8K

Flash Flood

Slow-moving thunderstorms produced excessive amounts of rainfall over much of Gibson County. Widespread street flooding occurred in Princeton. A section of Route 168 between Owensville and Fort Branch was flooded, but the road remained open. South of Princeton, one lane of U.S. Highway 41 was flooded. Behind the Toyota auto plant, Pigeon Creek rose rapidly out of its banks and flooded a couple of homes. Backed-up storm sewers flooded at least one basement in Princeton.

Spencer County 1 NE Gentryville

29 1637CST 0.1 10 0 0 Tornado (F0)

A trained spotter observed a funnel cloud dip below the treeline before dissipating. No damage was observed. The tornado was not associated with a strong or severe thunderstorm.





July 2001 Time Local Path Length Path Number of Estimated Persons Damage Width **KENTUCKY**, Southwest **Mclean County** 0945CST 0 0 Livermore 04 2K Lightning Lightning struck a tree, causing it to fall on power lines and start a fire. **Hopkins County** Madisonville 0630CST 05 **5K** Thunderstorm Wind (G50) Several trees were brought down by thunderstorm winds. A large tree fell on a house on Hall Street. Electricity was cut to about 200 customers. **Muhlenberg County** 2 W Greenville 05 0715CST 0 Thunderstorm Wind (G50) Several trees were blown down. KYZ001>022 Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg -Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd 0 Daytime high temperatures in the mid to upper 90's, combined with dew points in the mid 70's, resulted in heat indices from 105 to 112 degrees. Nighttime heat indices only fell to around 80. The highest temperature at Paducah during this heat wave was 99 degrees. The Salvation Army reported giving out many more fans than usual for July, which apparently helped keep heat-related illnesses to a minimum. No heat-related fatalities were reported. **Marshall County Benton** 1730CST 30K Thunderstorm Wind The roof was blown off the Wildlife Management Center building. Seven or eight large trees were blown down. Numerous power lines were down in the area. A shed off Bethel Road was completely destroyed. The damage was mainly on the east side of Benton. **Carlisle County** 4 SW Bardwell to Milburn 50K **Thunderstorm Wind** Numerous trees were reported down, mainly in south and southwest parts of the county. The estimated total number of downed trees was around 70. Tree damage from the storm resulted in numerous state and county road closings, minor damage to one house, and interruption of power to approximately one-third of the county for several hours **Mccracken County** Reidland 18 1455CST 10K Tstm Wind/Hail Thunderstorm winds gusted to 43 MPH at the Paducah National Weather Service. Although very few trees were brought down, one large tree landed on a passing vehicle in Reidland. Shortly after the dead 40-foot tree crushed her moving vehicle, fire broke out in the car. The female driver was extricated from the vehicle by firefighters within 30 minutes. She was not seriously injured, but required hospitalization for extensive bruising. **Lyon County** Countywide 0 25K Thunderstorm Wind (G50) Thunderstorms produced damaging winds that downed about 100 trees and power lines. A few trailers were damaged by fallen trees. One trailer on State Route 1055 was damaged enough that it became uninhabitable. Some residents were without power for several **Marshall County** Countywide 10K 18 Thunderstorm Wind (G50)

Trees were blown down at several locations across Marshall County, including Benton, Fairdealing, Highway 641 North, and 5 miles east of Benton. Power lines were down at Gilbertsville, Benton, and Draffenville



Countywide

National Weather Service Storm Data and Unusual Weather Phenomena



Time Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

KENTUCKY, Southwest

Trigg County 1544CST 18 0 Countywide 0 10K Thunderstorm Wind (G50) Thunderstorm winds downed at least 40 trees in the county. One of the trees landed on a house in northern Trigg County. Power outages extended well into the night for some residents. **Caldwell County** 4 E Princeton 18 1600CST 0 Thunderstorm Wind (G50) Electric utility spokesmen reported numerous trees down along and east of Highway 91 **Calloway County** Kirksey to Murray 18 1615CST 10K Thunderstorm Wind (G50) Trees were blown down on both the north and south end of Murray. Wires were down at scattered locations in the city. Near Kirksey, several limbs were down, and a whole tree was blown across Kirksey Highway. Power was restored to all customers within 5 or 6 hours. **Fulton County** Cayce 18 1650CST 3K Thunderstorm Wind (G50) Power lines were blown down. **Calloway County** Countywide 24 0945CST 0 Flash Flood **Livingston County Grand Rivers** 24 Flash Flood 1130CST **Marshall County**

Thunderstorms producing torrential downpours were nearly stationary over Calloway County, including the city of Murray, for a couple of hours. Spotters reported rainfall rates up to 2.4 inches per hour. Rainfall totals up to 4 and 5 inches occurred at Murray and Benton, mostly within two hours. In Murray, vehicles were nearly completely submerged at one apartment complex. A motorist was trapped in his submerged vehicle after attempting to cross a flooded stretch of Highway 121. He was rescued, uninjured, by passers-by. Numerous streets were flooded in Murray, and a few buildings reported some water in them. An electric substation that serves Murray State University was shut down due to potential flooding, causing power outages to several campus buildings. Across Marshall and southern Livingston Counties, the storms were moving, but multiple storms deluged the same locations. About 30,000 dollars damage was done to roads in Marshall County. Flooded roads in Marshall County included Kentucky 80 east, Kentucky 408 east, and about 20 smaller roads. In Benton, a bridge on West 9th Street was washed out, and overflowing creeks damaged a city park and a few mobile homes. Sewer lines backed up into basements across Benton. Town Creek came out of its banks and flooded the area near East 14th and Birch Streets. In the Grand Rivers section of Livingston County, flooding on Ridge Road pulled 60 feet of culvert out of the ground.

Flash Flood

0

0945CST 1115CST

24

Thunderstorms repeatedly moved across Daviess County from the late evening of the 25th into the wee morning hours of the 26th. The heaviest rainfall was near Whitesville, in the eastern part of the county. Radar estimated more than 3 inches per hour in that area. Water was standing on numerous roads in Whitesville.





July 2001 Time Local/ Path Length Path Number of Estimated Width Persons Damage **KENTUCKY**, Southwest **Ballard County** 0 0 25K Countywide 0430CST 26 Urban/Sml Stream Fld A large cluster of thunderstorms moved slowly across the county, producing very heavy rainfall. Some road flooding occurred, with washouts causing damage in a few spots. **Union County** Sturgis to 4 E Sturgis 26 0 Flash Flood Slow-moving thunderstorms produced very heavy rainfall, with radar estimates around 3 inches in 4 hours just east of Sturgis. Serious street flooding was reported in Sturgis, with water getting into some residences. Highway 270 was flooded just east of Sturgis. **Livingston County** North Portion 2130CST Flash Flood Slow-moving thunderstorms produced torrential rainfall across northern parts of Livingston County, with around 5 inches in 24 hours. County officials estimated damage to roads was around 100,000 dollars. Road damage was reported in Burna, Salem, Carrsville, Lola, and Joy. A bridge was washed out on Campground Road near Hampton. Water undermined roads in Lola and Joy. Sections of two rural roads were rendered impassable by washouts. **Muhlenberg County** Greenville 1530CST 1700CST 0 27 Urban/Sml Stream Fld Slow-moving thunderstorms dumped very heavy rain. Water was reported over some roads in Greenville **Daviess County** 1 S Owensboro 29 **Funnel Cloud** Numerous reports were received of a funnel cloud. The funnel cloud reportedly showed only slight rotation, and would rapidly form and dissipate in cycles. Meteorological conditions were not favorable for tornadoes, and no severe thunderstorms were in the area. **Daviess County** Utica 29 1715CST 1900CST Urban/Sml Stream Fld Torrential rains from slow-moving thunderstorms caused flooding of Kentucky Highway 140 in the 200 block. About two and a half feet of water was over the road, apparently from flooding of Two Mile Creek MISSOURI, Southeast **Wayne County** 0440CST O 4 N Patterson 05 0 Hail (0.75) MOZ076-086>087-100-Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid 107>112-114 1500CST **Excessive Heat** 1400CST

Daytime high temperatures in the mid to upper 90's, combined with dew points in the mid 70's, resulted in heat indices from 105 to 112 degrees. Nighttime heat indices only fell to around 80. On July 9, an elderly male was found in his Cape Girardeau home three days after he died from heat stroke. The home had no air conditioning, and the windows of the home were nailed shut for safety. M74PH





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Per: Killed	per of sons Injured	Estim Dan Property	July 2001 Character of Storm	ı
MISSOURI, Southeast									
Bollinger County 15 S Marble Hill	09 The ro	1830CST pad department re	ported trees do	own on a cou	0 inty road.	0		Thunderstorm Wind (G50)	
Perry County Brewer	18	1414CST			0	0		Hail (0.75)	
Cape Girardeau County 2 N Cape Girardeau		1510CST were down on R down in the vicini						Thunderstorm Wind (G50) e northwest corner of the county, trees	;
Cape Girardeau County Cape Girardeau	18	1515CST			0	0		Hail (1.00)	
Scott County Miner	18 Small	1556CST trees were blown	down by wind	ds estimated	0 near 60 MF	0 PH.		Thunderstorm Wind (G52)	
Stoddard County Dexter	18 Nume	1610CST rous tree tops were	re sheared off	by thundersto	0 orm winds.	0		Thunderstorm Wind (G50)	
Mississippi County Wyatt	18	1615CST rous trees and pov		•	0	0		Thunderstorm Wind (G50)	
Wayne County 5 S Greenville	18	1630CST			0	0		Hail (0.88)	
Butler County Poplar Bluff	18 Tree li	1710CST imbs, some of the	m large, were	down in Pop	0 blar Bluff.	0		Thunderstorm Wind (G50)	
Ripley County 5 SW Doniphan	18	1837CST			0	0		Hail (0.75)	
Cape Girardeau County Cape Girardeau	19	0855CST 1140CST			0	0	50K	Flash Flood	
Scott County Kelso to Scott City	19	1045CST 1140CST			0	0		Flash Flood	

Widespread, major street flooding occurred in Cape Girardeau. Vehicles stalled, and emergency crews rescued trapped motorists from water as deep as 8 feet. Some buildings received water damage, including 36 homeowners who reported basement flooding to city officials. One home's basement wall collapsed. At Southeast Missouri State University, the basement of the crime lab was flooded. At Southeast Missouri Hospital, a broken roof drain caused thousands of gallons of water to flood the hospital's material management offices and a warehouse. In Cape Girardeau County, five families were evacuated from Jefferson Street in Jackson, which received 4.25 inches of rain in 6 hours. Jackson closed its city park to keep people away from flooded Hubble Creek. Route K and Route AB were closed. In Scott County, portions of northbound Interstate 55 between the 85 and 86 mile markers were inundated. Highway 311 near Kelso was also inundated. Floodwaters covered Main Street in Scott City, and several inches of water got into the city hall. Slow-moving thunderstorms persisted in a narrow north-to-south band along the Mississippi River, primarily eastern Cape Girardeau and Scott Counties. At the Cape Girardeau Airport, the automated observing system measured about 5 inches of rain in 6 hours. An unofficial report was received of 6.5 inches on the south side of Cape Girardeau.





July 2001 Time Local Path Length Path Width Number of Estimated Persons Damage MISSOURI, Southeast **Ripley County** 0 0 Doniphan 19 1410CST Flash Flood Thunderstorms repeatedly moved across Ripley County from midday through late afternoon. Radar estimated 3 to 4 inches fell over portions of the county. A street was closed in downtown Doniphan. **Wayne County** Lodi 22 1505CST 0 0 Hail (0.75) A severe thunderstorm moved south across Wayne County, producing dime size hail near Lodi. The storm weakened by the time it reached Greenville. **Scott County Benton** 26 0830CST 1030CST 0 Urban/Sml Stream Fld Slow-moving thunderstorms produced very heavy rain, causing flooding of Highway 61 and other county roads near Benton **Butler County Poplar Bluff** 27 0005CST 0300CST 5K Flash Flood Nearly stationary thunderstorms, producing over an inch of rain per hour, caused creeks and roads to flood. One parked car was damaged when rushing water pushed it down a hill and into a pole. Two wooden bridges were washed out. One house had 4 inches of water in the basement from a nearby creek. Another house had floodwaters nearly to the foundation. A rest home received some flooding, but no evacuations were conducted. Numerous roads across the county were flooded. **Wayne County 5 NNE Patterson** 0415CST 0700CST 29 Flood Torrential rain from persistent thunderstorms caused Big Creek to rise rapidly during the early morning hours. Prior to reaching bankful, campers were evacuated from the Sam A. Baker State Park due to rapid rises on Big Creek. **MOZ100** Wayne 29 1100CST 1600CST Flood Torrential thunderstorm rains caused the St. Francis River to rise very quickly during the morning hours of the 29th. The river crested about a foot above flood stage at Patterson at 1:45 P.M. This resulted in minor flooding. The greatest danger was to campers and canoers on the river, especially since the event began at night. Big Creek, a tributary of the St. Francis River, threatened campers in the Sam A. Baker State Park, who were evacuated. A couple of campers were stranded on an island, but were never directly

endangered by the floodwaters.